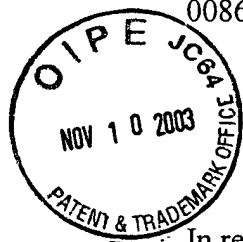


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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

TATSUO FURUKAWA ET AL.

Application No.: 09/374,580

Filed: August 16, 1999

For: PRINTING HEAD, HEAD
CARTRIDGE HAVING
PRINTING HEAD,
PRINTING APPARATUS
USING PRINTING HEAD,
AND PRINTING HEAD
SUBSTRATE

)
:
Examiner: C. Nolan, Jr.

)
:
Group Art Unit: 2854

)
:
November 4, 2003

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to the further examination of the above identified application, please
amend the claims as set forth herein.

I hereby certify that this correspondence is being deposited with the
United States Postal Service as first-class mail in an envelope addressed
to: Assistant Commissioner for Patents, Washington, D.C. 20231 on

November 4, 2003

(Date of Deposit)

John A. Krause

(Name of Attorney for Applicant)

November 4, 2003

Signature

Date of Signature